## INTERNATIONAL SEARCH REPORT

Interna Application No PCT/102004/052855

			. 017 2020017 002000							
a. Classification of subject matter IPC 7 H04R3/02 H04M9/08										
According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS SEARCHED										
Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04R H04M G01S										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched										
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX										
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category °	Citation of document, with indication, where appropriate, of the rel	Relevant to claim No.								
A	US 5 796 819 A (ROMESBURG ET AL) 18 August 1998 (1998-08-18) abstract column 9, line 50 - column 12, li figures 3-6	1,2,4,5, 7,8								
A	column 16, line 62 - column 17, l  WO 97/45995 A (PHILIPS ELECTRONIC PHILIPS NORDEN AB) 4 December 1997 (1997-12-04) cited in the application the whole document	1,5,7,8								
Further documents are listed in the continuation of box C.  Patent family members are listed in annex.										
Special categories of cited documents:										
consid  "E" earlier of filling d "L" docume which is citation	nt which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified)	or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the								
*O* docume other n *P* docume	oined with one or more other such docu- plation being obvious to a person skilled									
	an the priority date claimed actual completion of the international search	of the same patent family								
	9 April 2005	Date of mailing of the International search report  12/05/2005								
Name and n	nailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer								
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Gerken,	S							

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Interna Application No
PCT/IB2004/052855

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5796819	Α	18-08-1998	AU	719049 B2	04-05-2000
			ΑU	3734297 A	10-02-1998
			BR	9710475 A	17-08-1999
			CN	1226349 A ,C	18-08-1999
			DE	69709363 D1	31-01-2002
			DE	69709363 T2	22-08-2002
			EE	9900024 A	16-08-1999
			EP	0914721 A2	12-05-1999
			HK	1019982 A1	26-07-2002
			JP	2000515345 T	14-11-2000
			PL.	331238 A1	05-07-1999
			WO	9804079 A2	29-01-1998
WO 9745995		04-12-1997	BR	9702254 A	17-02-1999
NO 37 43333	• • • • • • • • • • • • • • • • • • • •	04 12 1337	CN	1198283 A ,C	04-11-1998
			ΕP	0843934 A1	27-05-1998
			WO.	9745995 A1	04-12-1997
			JP	11510673 T	14-09-1999
			ÜS	2002159585 A1	31-10-2002